

Zhang J, Yuan H, Yang Y, Fish T, Lyi SM, Thannhauser TW, Zhang L, **Li L**. (2016) Plastid ribosomal protein S5 is involved in photosynthesis, plant development, and cold stress tolerance in *Arabidopsis*. *Journal of Experimental Botany* 67:2731-2744

Zhou X, Welsch R, Yang Y, Riediger M, Álvarez D, Yuan H, Fish T, Liu J, Thannhauser TW, **Li L** (2015) *Arabidopsis* OR proteins are the major post-transcriptional regulators of phytoene synthase in mediating carotenoid biosynthesis. *Proceedings of the National Academy of Sciences of the United States of America* 112:3558-3563

Yuan H, Owsiany K, Sheeba T, Zhou X, Rodriguez C, Li Y, Welsch R, Chayut N, Yang Y, Thannhauser TW, Partasarathy MV, Xu Q, Deng X, Fei Z, Schaffer A, Katzir N, Burger J, Tadmor Y, **Li L**. (2015) A single amino acid substitution of the orange protein causes carotenoid accumulation in *Arabidopsis*. *Plant Physiology* 169:421-431

Tzuri G*, Zhou X*, Chayut N*, Yuan H, Portnoy V, Meir A, Saar U, Baumkoler F, Yuan H, Mazourek H, Lewinsohn E, Fei Z, Schaffer AA, **Li L**, Burger J, Katzir N, Tadmor Y. (2015) A “golden” SNP in CmOr governs fruit flesh color in melon (*Cucumis melo*). *The Plant Journal* 82:267-279

Nisar N, **Li L**, Lu S, Khin NC, Pogson BJ (2015) Carotenoid metabolism in plants. *Molecular Plant* 8, 68-82

Li L, Yuan H (2013) Review: Chromoplast biogenesis and carotenoid accumulation. *Archives of Biochemistry and Biophysics* 539: 102-109

Wang YQ, Yang Y, Fei Z, Yuan H, Fish T, Thannhauser TW, Mazourek M, Kochian LV, Wang X, **Li L** (2013) Proteomic analysis of chromoplasts from six crop species reveals insights into chromoplast function and development. *Journal of Experimental Botany* 64:949-961

Li L, Yang Y, Xu Q, Owsiang K, Welsch R, Chitchumroonchokchai C, Lu S, Van Eck J, Deng X, Failla M, Thannhauser TW (2012) The *Or* gene enhances carotenoid accumulation and stability during post-harvest storage of potato tubers. *Molecular Plant* 5: 339-352

Zhou X, McQuinn R, Fei Z, Wolters AM, Van Eck J, Brown C, Giovannoni JJ, **Li L** (2011) Regulatory control of high levels of carotenoid accumulation in potato tubers. *Plant, Cell & Environment* 34:1020-1030

Zhou X, Sun TH, Wang N, Ling HQ, Lu S, **Li L** (2011) The cauliflower *Orange* gene enhances petiole elongation by suppressing expression of *eukaryotic release factor 1*. *New Phytologist* 190: 89-100

Chiu LW, Zhou X, Burke S, Wu X, Prior RL, and **Li L** (2010) The purple cauliflower arises from activation of a MYB transcription factor. *Plant Physiology* 154: 1470-1480

Zhou X, Yuan Y, Yang Y, Rutzke M, Thannhauser TW, Kochian LV, **Li L** (2009) Involvement of a broccoli COQ5 methyltransferase in the production of volatile selenium compounds. *Plant Physiology* 151:528-540

Lopez, AB, Van Eck J, Conlin BJ, Paolillo DJ, O'Neill J, **Li L** (2008) Effect of the cauliflower *Or* transgene on carotenoid accumulation and chromoplast formation in transgenic potato tubers. *Journal of Experimental Botany* 59:213-223

Lu S, Van Eck J, Zhou X, Lopex AB, O'Halloran DM, Cosman KM, Conlin B, Paolillo DJ, Garvin DF, Vrebalov J, Kochian L, V, Kupper H, Earle ED, Cao J, and **Li L** (2006) The cauliflower *Or* gene encodes a DnaJ cysteine-rich domain-containing protein that mediates high-levels of β-carotene accumulation. *The Plant Cell* 18: 3594-3605

Lyi SM, Heller LI, Rutzke M, Welch RM, Kochian LV, **Li L** (2005) Molecular and biochemical characterization of the selenocysteine *Se*-methyltransferase gene and *Se*-methylselenocysteine synthesis in broccoli. *Plant Physiology* 138:409-420